



# Rod Pump Control Transducers

for use with Lufkin Well Manager™ and others

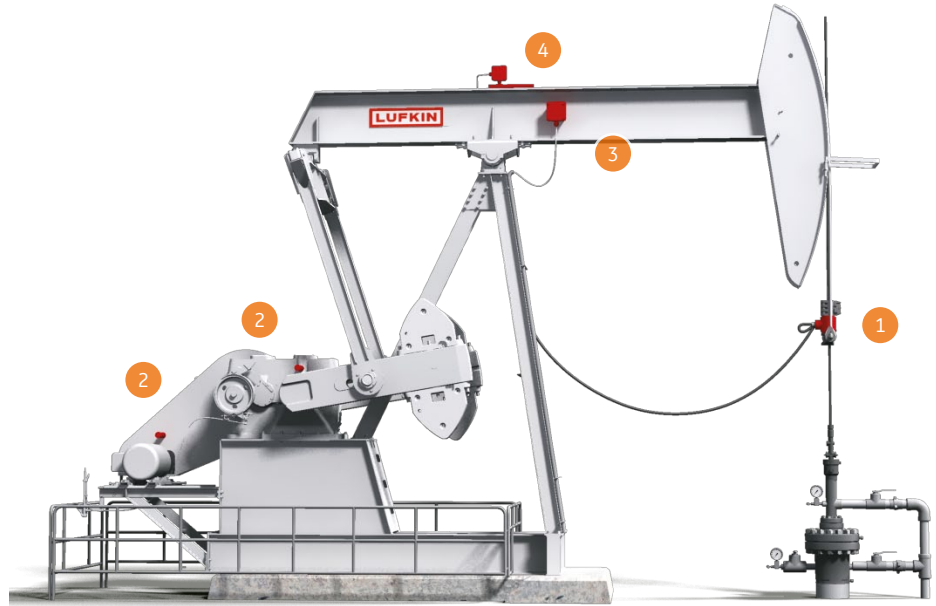


Lufkin's artificial lift automation offers RPC transducers for all the different pumping unit types. The transducer selection allows the user to choose the accuracy of the system and consider the long-term maintenance requirements. Each transducer is designed to interface with RPCs and is manufactured to our high quality standards.



## 1. Load Cell

- Rated capacity: 30K or 50K pounds
- Overload rating without damage: 200% rated capacity
- Weight: 8.5 pounds
- Output (mV/V): 2.0 ±1%
- Operating temperature range: -40°F to 175°F
- Transient voltage protection: MOV to case
- Factory calibrated
- Cable options: molded, coiled, armored, breakaway



## 2. Motor and Crank Hall Effect Transducers

- Unipolar hall effect switch magnets mounted on crank arm and motor shaft
- Input voltage range: 4.5 to 24 Vdc
- Output open collector: sink 25 mA max
- Typical sensitivity: 350 gauss
- Operating temperature range: -40°C to 85°C



## 3. Inclinometer

- Ratiometric electronic dynamometer
- Supply voltage range: 5-16 Vdc
- Supply current: 3 milliamps
- Output: 30 mV/degree
- Linear range: ±45 degree



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## 4. 101TL Weld-Mounted (left) and Clamp-On (right) Transducer

### Beam Transducer

- Wheatstone bridge circuit
- Gauge section thickness: 0.030 in.
- Input impedance: 350 ohm/263 ohm
- Input voltage range: 5-10 Vdc
- Output with 8 Vdc excitation (per installation)
- Offset range: 0.32 to 32 mVdc
- Sensitivity: 2 mV/V increase with axial pull change from 500 to 1,000 lb
- Weld mount to top of walking beam
- Field calibration required

### Clamp-On Beam Transducer

- Specs same as weld-mounted beam transducer
- Clamp-on mount to edge of walking beam flange